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US EPA RECORDS CENTER REGION 5



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DEPARTMENT OF NATURAL RESOURCES

DIVISION OF WATER

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REPORT OF INVESTIGATION

Proposed Solid Waste
Disposal Site
Lucas County, Toledo

Investigated by:
Chris P. Cunningham
Geologist
June 4, 1971

On June 2 the Division of Water of the Ohio Department of Natural Resources examined a proposed solid waste disposal site with respect to the danger of ground-water contamination in the area. The site consists of about 3 $\frac{1}{4}$ acres on the south side of Manhattan Boulevard, bounded by tracks belonging to the Ann Arbor Railroad on both the east and west, and a drainage pond on the south separating the property from marshland and a nearby dump. The investigation was requested by the Northwest District Office of the Ohio Department of Health.

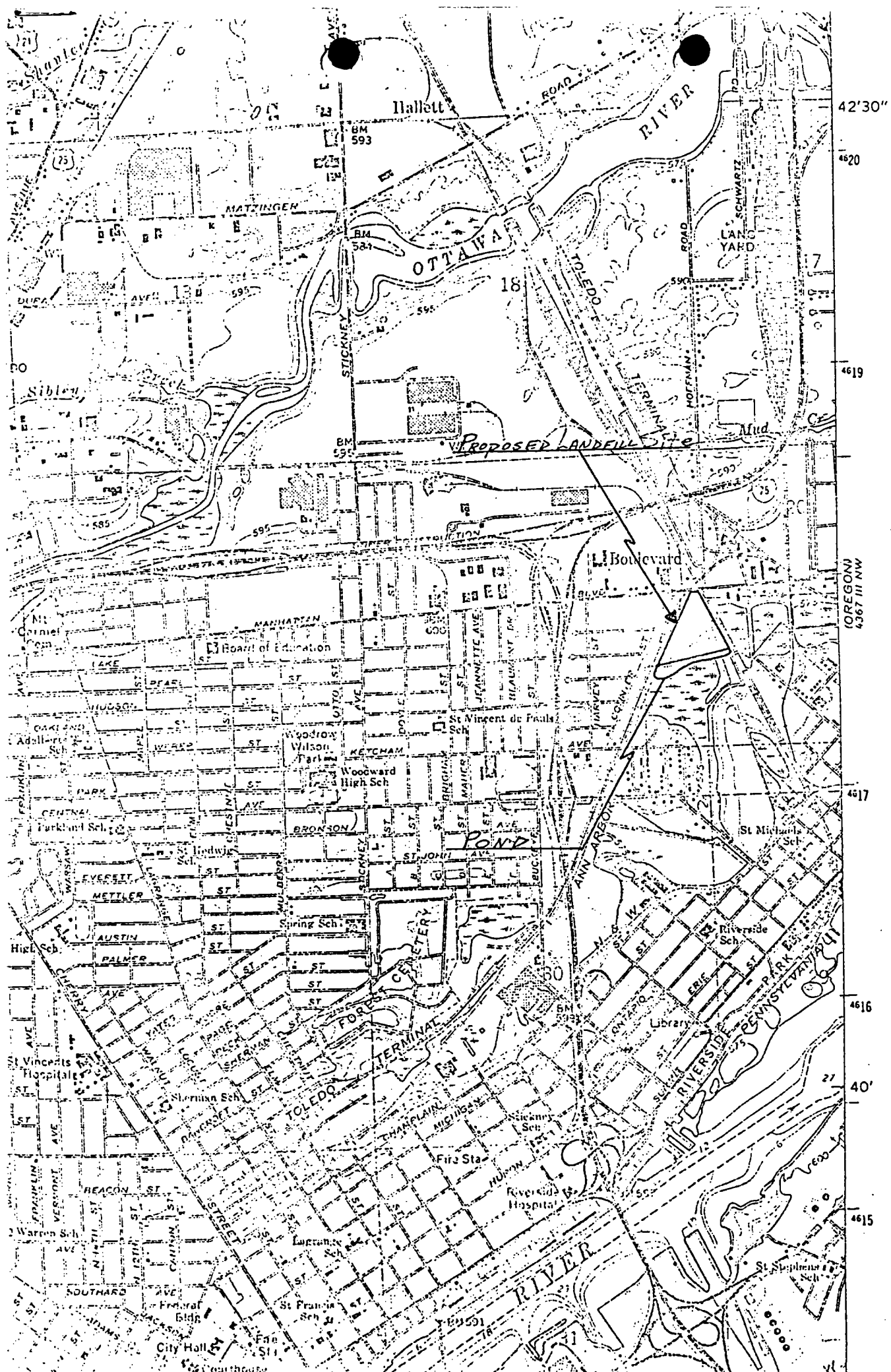
The geology of the area is composed of a thickness of approximately 100 feet of glacial till overlying limestone bedrock. The till contains large quantities of clay and is relatively impermeable; however, the limestone is an excellent aquifer with a potential yield in excess of 150 gallons per minute. There are no known wells nearby. The ground-water level beneath the site lies at a depth of approximately 10 feet.

This site has been the scene of indiscriminate dumping for many years, but presently only demolitions waste is being accepted. A detailed examination of ground water beneath the site, including test drilling, was conducted by Dr. George Kunkle in 1968. It is proposed to develop the present dump as a sanitary landfill.

After carefully examining all available information, it is our opinion that there is only minimal danger of contamination of the bedrock aquifer. A definite problem does exist with regard to drainage, due to the low, marshy topography in the area. It is recommended that all soluble or semi-liquid wastes be excluded from this site for this reason.

Approved by

Alfred C. Walker
Alfred C. Walker, Principal Geologist



42°30'

4620

4619

4617
OREGON
4367 III NW

4617

4616

40'

4615